



**MATH VOCABULARY LISTS\* FOR SPRING 2006 CRITERION-  
REFERENCED TEST**

**FOR GRADES 3-8, 10**

**FALL 2005**

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**\*Montana math teachers developed these lists to assist teachers with basic math vocabulary that students need for the criterion-referenced tests.**

**These are instructional tools to be used prior to testing but NOT during testing.**

**The math reference sheets provided by Measured Progress can be used during testing.**

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# Montana Comprehensive Assessment System

## Vocabulary List Grade 3

odd, even  
base-ten blocks  
digit  
number sentence  
pattern  
geoboard  
rectangle  
rhombus  
trapezoid  
pyramid  
sphere  
face  
right angle  
line of symmetry  
centimeter ruler  
yard stick  
thermometer  
scale  
kilogram

# Montana Comprehensive Assessment System

## Vocabulary List Grade 4

divided, equal  
number sentence  
solve  
expression  
use of a box for a number  
digit  
ten thousand  
fact family  
base-ten blocks  
multiple  
array  
greatest  
total  
product  
estimate, best estimate  
nearest thousand  
pattern  
rule for pattern  
polygon  
rhombus, hexagon, pentagon, trapezoid, parallelogram  
parallel, perpendicular, intersecting  
lines of symmetry  
pyramid, prism, cylinder, cone  
edges  
tangram  
flipped (as what would the picture look like flipped)  
ordered pair  
measurement  
meter, kilometer, centimeter, millimeter  
square inches  
volume, cubic units  
what is the chance? impossible, unlikely, very likely, certain, least likely, most likely  
tree diagram  
bar graph, tally chart, key, labels, pictograph  
increased

# **Montana Comprehensive Assessment System**

## **Vocabulary List Grade 5**

compute  
expression  
fraction cards  
input/output  
comparison questions  
term  
three-dimensional  
net  
cubic  
transformation  
translated  
constant rate  
plotted  
interval  
scale  
trend  
randomly  
conclusion

## Montana Comprehensive Assessment System

### Vocabulary List Grade 6

measures of central tendency  
    mean  
    median  
    mode  
    range  
proper fraction, improper fraction  
properties  
    distributive  
    associative  
    commutative  
compute  
formula  
pyramid  
coordinate grid  
    coordinates  
    horizontal axis, vertical axis  
vertex, vertices  
transformations  
    reflection, rotation, translation, transformation  
clockwise, counterclockwise  
ways to record data  
    histogram  
    line graph  
    circle graph  
    stem-and-leaf plot  
symbol for approximate is  $\approx$

## Montana Comprehensive Assessment System

### Vocabulary List Grade 7

average (mean)  
bar graph  
box-and-whisker plot  
circle graph  
co-captains (of a team)  
congruent]  
data  
difference (of two values)  
dimensions  
doubling  
equation  
expression (mathematical expression)  
faces of a three-dimensional object  
image (in a transformation)  
label axes of a graph  
least common multiple  
mass  
miles per gallon  
opposite corner of a figure  
pattern (that folds into a 3-dimensional shape)  
pentagon  
perimeter  
powers (exponents)  
probability  
product (multiplication)  
profit  
ramp incline  
random sample  
reflection  
regular polygon  
rotation  
savings account  
savings account balance  
show appropriate scale for a graph  
similar (mathematically similar)  
speed  
split groups of objects  
standard form of an amount  
survey  
tip (left with payment for a bill)  
title a graph  
translation

value of an expression  
vertex of a figure  
views of a model (front, right, left, back, bottom, top)  
x-axis; y-axis



## Montana Comprehensive Assessment System

### Vocabulary List Grade 8

area  
calculate  
circle: radius, diameter, circumference  
compute  
congruent  
coordinate plane: origin, axes, scale, horizontal axis, vertical axis  
coordinates  
cost per unit  
cube  
degrees (Fahrenheit and Celsius)  
diagonal of a polygon  
display: box-and-whisker plot, circle graph, bar graph, stem-and-leaf-graph, scatter plot  
equation of a line  
equivalent  
expression (numeric or algebraic); value of an expression, simplify an expression  
formula  
geometrically similar  
grid  
image of a transformation  
intercepts:  $x$ -intercept;  $y$ -intercept  
intersection  
line of best fit  
linear relationship  
median, mean, mode  
metric units of measure: meter, centimeter, kilometer, millimeter, grams, milligrams, kilograms  
most likely, equally likely  
net of a 3-dimensional object  
number sequence  
percent  
polygon: sides, vertices, triangle, rectangle, square, trapezoid, hexagon, pentagon, octagon  
prime factorization  
prisms: rectangular, triangular  
probability  
proportion  
pyramid  
ramp  
rectangular prism: edges, vertices  
right angle  
rule for a pattern

scatter plot, linear

scientific notation

survey

symbols:  $\sqrt{\quad}$  for square root; a box at a vertex represents a right angle

transformations: rotation, reflection, dilation, translation

triangles (right, isosceles, equilateral acute, obtuse)

## Montana Comprehensive Assessment System

### Vocabulary List Grade 10

adjacent angles  
angles  
    complementary, supplementary  
arc  
congruent  
counterexample  
diagonal  
dilation  
equiangular  
equilateral  
function  
integers  
interval  
irrational numbers  
isosceles  
natural numbers  
origin  
plane  
prime  
quadrilateral  
radius  
rational numbers  
real numbers  
regular (polygon)  
scalene  
scatter plot  
semicircle  
similar  
sector  
slope  
system of equations  
system of inequalities  
transversal  
whole numbers